



FEE TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

Complete if Known

Application Number	10/750,029
Filing Date	December 30, 2003
First Named Inventor	Sung-Ik PARK
Examiner Name	
Art Unit	
Attorney Docket No.	51876P455

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 130.00

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ None ☐ Other (please identify):

☒ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20. ☒ Credit any overpayments

FEE CALCULATION

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
2053	130	2053	130	Non-English specification	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1,020	2253	510	Extension for reply within third month	
1254	1,590	2254	795	Extension for reply within fourth month	
1255	2,160	2255	1,080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	
1403	1,000	2403	500	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1460	130	2460	130	Petitions to the Commissioner	130.00
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
Other fee (specify)					
SUBTOTAL (2)					(\$) 130.00

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Eric S. Hyman	Registration No. (Attorney/Agent)	30,139	Telephone	(310) 207-3800
Signature		Date	8/17/06		



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Sung-Ik PARK et al.,

U.S. Application No. 10/750,029

Filed: 12/30/2003

For: **ON-CHANNEL REPEATING APPARATUS AND
METHOD FOR TERRESTRIAL DIGITAL TELEVISION
BROADCASTING SERVICE**

Examiner: Unknown

Art Unit: Unknown

PETITION PURSUANT TO RULE 1.48(a)

Mail Stop: Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicant hereby Petitions to correct the Inventorship of the above-identified Application. When the Declaration was filed, two of the inventors, namely Ho-Min Eum and Jae-Hyun Seo were inadvertently omitted. Accordingly, Applicant requests that the inventorship be corrected to add the two omitted inventors.

Submitted herewith is a Statement from each person being added as an inventor that the error in Inventorship occurred without the deceptive intention on his or her part.

Also submitted is a Declaration by the actual inventors as required by Rule 1.63.

Also included is the processing fee set forth in 37 CFR 1.17(i).

Also included is the Written Consent of the Assignee.

A check in the amount of \$130 is submitted herewith. Please charge any additional amount, or credit any overpayment to Deposit Account 02-2666.

Respectfully submitted,
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 8/14/06

Eric S. Hyman, Reg. No. 30,139

12400 Wilshire Boulevard
Seventh Floor
Los Angeles, California 90025
(310) 207-3800

CERTIFICATE OF MAILING:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, With Sufficient Postage, In An Envelope Addressed To: Mail Stop: Petition, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Linda Marie D'Elia

August 14, 2006



Our File No. 051876.P455

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Sung-Ik PARK et al.,

U.S. Application No. 10/750,029

Filed: 12/30/2003

For: **ON-CHANNEL REPEATING
APPARATUS AND METHOD FOR
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BROADCASTING SERVICE**

Examiner: Unknown

Art Unit: Unknown

STATEMENT UNDER 37 CFR 3.73(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Electronics and Telecommunications Research Institute, a Republic of Korea corporation, states that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors of the patent application identified above. A copy of the assignment is attached.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Dated: April 28, 2006

By: J. W. Shin
Name: Jung-hyuk Shin
Title: Leader of IPR Management Team



Our File No. 051876.P455

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Examiner: Unknown

Art Unit: Unknown

RULE 1.48 DECLARATION OF JAE-HYUN SEO

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450


Jae-Hyun Seo declares as follows:

1. I am one of six co-inventors of the above-identified application, the other five inventors being Sung Ik Park, Yong-Tae Lee, Seung-Won Kim, Soo-In Lee, and Ho-Min Eum.
2. I am informed that a declaration for the application as filed listed Sung Ik Park, Yong-Tae Lee, Seung-Won Kim, and Soo-In Lee, as the only inventors.
3. The error in inventorship occurred without deceptive intention on my part.

Under penalty of perjury, I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated: 8/2, 2006

By: _____


Jae-Hyun Seo



Our File No. 051876.P455

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Sung-Ik PARK et al.,

U.S. Application No. 10/750,029

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APPARATUS AND METHOD FOR
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BROADCASTING SERVICE**

Examiner: Unknown

Art Unit: Unknown

RULE 1.48 DECLARATION OF HO-MIN EUM

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Ho-Min Eum declares as follows:

1. I am one of six co-inventors of the above-identified application, the other five inventors being Sung Ik Park, Yong-Tae Lee, Seung-Won Kim, Soo-In Lee, and Jae-Hyun Seo.
2. I am informed that a declaration for the application as filed listed Sung Ik Park, Yong-Tae Lee, Seung-Won Kim, and Soo-In Lee, as the only inventors.
3. The error in inventorship occurred without deceptive intention on my part.

Under penalty of perjury, I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated: 4/27, 2006

By: Ho-Min Eum
Ho-Min Eum

In The Claims:

1. (Currently Amended) A system for accurately calculating a mathematical power function for performing one or more signal-processing tasks in an electronic device, comprising:

an application program configured to calculate a direct estimate of power function value for said mathematical power function during a direct linear ~~interpolations~~ interpolation procedure, said application program also calculating an indirect estimate of power function value for a complement power function during an indirect linear interpolation procedure, said application program then performing a final function-estimate calculation procedure to produce a final estimated power function value from said direct estimate of power function value and said indirect estimate of power function value; and

a processor device configured to control said application program for accurately calculating said mathematical power function, said mathematical power function being utilized to perform signal processing applications in at least one of an MPEG Advanced Audio Coding environment and an MPEG I/II, layer 3 environment.

2. (Original) The system of claim 1 wherein said processor device is implemented to include a fixed-point digital signal processor device.